CLAIMS

We claim:

1. An optical transceiver, comprising:

a housing mountable on a board with a portion of the housing above a plane of the board and second portion of the housing below the plane of the board.

2. The optical transceiver of Claim 1, wherein the housing includes part of a notch and rail system.

3. The optical transceiver of Claim 2, wherein the housing includes a notch.

4. The optical transceiver of Claim 2, wherein the housing includes a rail.

5. The optical transceiver of Claim 2, wherein the notch of the notch and rail system is adjustable in height.

6. The optical transceiver of Claim 5, wherein the notch is adjusted by a rack and pinion system comprising a rack located on a lateral wall of the notch and a pinion which impinges upon the rack whereby turning the pinion adjusts the height of the notch.

7. The optical transceiver of Claim 2, wherein the notch and rail system is located on at least one side of the optical transceiver housing.

8. The optical transceiver of Claim 1, wherein the housing includes a securing mechanism at an interfacing surface of the housing with the board to hold the housing in place against the board.

9. The optical transceiver of Claim 8, wherein the securing mechanism is a spring clip.

10. The optical transceiver of Claim 1, wherein the housing has a wedge shape.

11. The optical transceiver of claim 11, wherein the housing has at least one screw hole located to receive a screw passing through a face plate of an enclosure in which said board is mounted.

12. The optical transceiver of Claim 1, wherein the housing includes at least one attaching mechanism located posteriorly to hold the housing in place in a cut out of the board.

13. The optical transceiver of Claim 12, wherein the attaching mechanism includes at least part of a notch and rail system.

14. The optical transceiver of Claim 12, wherein the attaching mechanism includes a latch arm that secures to the board through a hole in the board.

15. The optical transceiver of Claim 12, wherein the attaching mechanism includes a screw that screws into a threaded piece attached to the board.

16. The optical transceiver of Claim 1, wherein the housing includes a heat sink.

17. The optical transceiver of Claim 16, wherein the heat sink includes heat fins.

18. An optical transceiver, comprising:

means for mounting a housing of the optical transceiver to a board such that a first portion of the housing is disposed above a plane of the board and a second portion of the housing is disposed below the plane of the board.

19. The optical transceiver of Claim 18, wherein the means for mounting the housing is located on at least one side of the housing.

20. The optical transceiver of Claim 18, further including a means for securing the housing against the board.

21. The optical transceiver of Claim 18, further including means for dissipating heat.